



IFW

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q92028

Aya ONO, et al.

Appln. No.: 10/560,934

Group Art Unit: Unknown

Confirmation No.: 4074

Examiner: Unknown

Filed: December 15, 2005

For: POLYCARBONATE AND METHOD FOR PRODUCTION THEREOF

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.97 and 1.98

MAIL STOP AMENDMENT

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith, except for the following: U.S. patents and/or U.S. patent publications; and co-pending non-provisional U.S. applications filed after June 30, 2003.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after

INFORMATION DISCLOSURE STATEMENT

U.S. Application No.: 10/560,934

Attorney Docket No. Q92028

filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant submits the following explanations:

1. The disclosure on page 2 of the present specification and the submission of corresponding U.S. Patent 4,506,066 for DE 29 38 464 A1 constitutes a concise statement of relevance of DE 29 38 464 A1.

2. The disclosure on page 2 of the present specification and the English language abstract at the beginning of the document DIETRICH BRAUN AND MATTHIAS BERGMANN, Fortschrittsbericht · Progress Report, 1,4:3,6-Dianhydrohexite als Bausteine für Polymere; Journal für praktische Chemie Chemiker-Zeitung, vol. 334 (1992) pages 298-310, constitutes a concise statement of relevance of that document.

3. The disclosure on page 2 of the present specification and the submission of an English language abstract for EP 0033089 corresponding to JP 56-110723 A constitutes a concise statement of relevance of JP 56-110723 A.

4. The disclosure on page 3 of the present specification for the document Polycarbonate resin handbook, edited by Seiichi Honma, Nikkan Kogyo Shinbun Co., page 21 (1992), constitutes a concise statement of relevance of that document.

5. The disclosure on page 3 of the present specification for the document Okada et al, Abstract of the seventh open symposium on "Polymers with low environmental loads": Construction of a sustainable material system based on production of plastics with Scientific

INFORMATION DISCLOSURE STATEMENT

U.S. Application No.: 10/560,934

Attorney Docket No. Q92028

Research on Priority Areas (B) supported by Grant-in Aid for Scientific Research of Ministry of Education, Culture, Sports, Science and Technology, pages 26-29 (2002), constitutes a concise statement of relevance of that document.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,

SUGHRUE MION, PLLC
Telephone: (202) 293-7060
Facsimile: (202) 293-7860

WASHINGTON OFFICE

23373

CUSTOMER NUMBER



Bruce E. Kramer
Registration No. 33,725

Date: May 31, 2006

Substitute for Form 1449 A & B/PTO

Complete if Known

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

1

of

1

Application Number	10/560,934
Confirmation Number	4074
Filing Date	December 15, 2005
First Named Inventor	Aya ONO
Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	Q92028

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US 4,506,066		03-19-1985	Medem et al.

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
		DE	29 38 464	A1	04-09-1981	Bayer AG (DE)	Corresponding US Patent No. 4,506,066
		JP	56-110723	A	09-02-1981	Bayer AG	Abstract for corresponding EP 0033089

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
		DIETRICH BRAUN AND MATTHIAS BERGMANN; Fortschrittsbericht - Progress Report, 1,4:3,6-Dianhydrohexite als Bausteine für Polymere; Journal für praktische Chemie Chemiker-Zeitung, vol. 334 (1992) pages 298-310	abstract
		HANS R. KRICHELDORF, SHIH-JIEH SUN, AND ANDREAS GERKEN; Polymers of Carbonic Acid. 22. Cholesteric Polycarbonates Derived from (S)-((2-Methylbutyl)thio)hydroquinone or Isosorbide; Macromolecules 1996, vol. 29, pages 8077-8082	
		MASAHICO OKADA, MAKITO YOKOE, KEIGO AOI; Biodegradable Polymers Based on Renewable Resources. VI. Synthesis and Biodegradability of Poly(ester carbonate)s Containing 1,4:3,6-Dianhydro-D-glucitol and Sebacic Acid Units; Journal of Applied Polymer Science, vol. 86, pages 872-880 (2002)	
		HANS R. KRICHELDORF, SHIH-JIEH SUN; Polymers of carbonic acid, 23 ⁹ Photoreactive cholesteric polycarbonates based on isosorbide, 4,4'-dihydroxychalcone and 4,4'-dihydroxybiphenyl; Macromolecular Chemistry and Physics, vol. 198, pages 2197-2210 (1997)	
		HANS R. KRICHELDORF, SHIH-JIEH SUN, CHING-PING CHEN, THE-CHOU CHANG; Polymers of Carbonic Acid. XXIV. Photoreactive, Nematic or Cholesteric Polycarbonates Derived from Hydroquinone-4-hydroxybenzoate 4,4'-Dihydroxychalcone and Isosorbide; Journal of Polymer Science: Part A, vol. 35, pages 1611-1619 (1997)	
		SHIH-JIEH SUN, GERT SCHWARZ, HANS R. KRICHELDORF, TEH-CHOU CHANG; New Polymers of Carbonic Acid. XXV. Photoreactive Cholesteric Polycarbonates Derived from 2,5-Bis(4'-hydroxybenzylidene)cyclopentanone and Isosorbide; Journal of Polymer Science: Part A, Polymer Chemistry, vol. 37, pages 1125-1133 (1999)	
		D.D. DIXON AND M.E. FORD; Mechanism of Poly(Alkylene Carbonate) Formation; Journal of Polymer Science: Polymer Letters Edition, vol. 18, pages 599-602 (1980)	
		JYUHO MATSUO, FUMIO SANDA, TAKESHI ENDO; Cationic ring-opening polymerization behavior of an aliphatic seven-membered cyclic carbonate, 1,3-dioxepan-2-one; Macromolecular Chemistry and Physics, vol. 199, pages 97-102 (1988)	
		Polycarbonate resin handbook, edited by Seiichi Honma, Nikkan Kogyo Shinbun Co., page 21 (1992)	
		Okada et al, Abstract of the seventh open symposium on "Polymers with low environmental loads": Construction of a sustainable material system based on production of plastics with Scientific Research on Priority Areas (B) supported by Grant-in Aid for Scientific Research of Ministry of Education, Culture, Sports, Science and Technology, pages 26-29 (2002)	
		MAKITO YOKOE, KEIGO AOI, MASAHICO OKADA; Biodegradable Polymers Based on Renewable Resources. VII. Novel Random and Alternating Copolycarbonates from 1,4:3,6-Dianhydrohexitols and Aliphatic Diols; Journal of Polymer Science: Part A: Polymer Chemistry, vol. 41, pages 2312-2321 (2003)	

Examiner Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to indicate here if English language Translation is attached.